

PATENT
Attorney Docket No. 401081

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

FURASAWA e al.

Application No.: Unassigned Art Unit: Unassigned

Filed: February 14, 2001 Examiner: Unassigned

For: PORTABLE APPARATUS
AND REMOTE CONTROL
SYSTEM

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D. C. 20231

Dear Sir:

Prior to the examination of the above-identified patent application, please enter the following amendments and consider the following remarks.

IN THE SPECIFICATION

Replace the paragraph beginning at page 1, line 23, with:

However, management of the remote control unit is complicated by the fact that a separate remote control unit is associated with each electronic apparatus.

Replace the paragraph beginning at page 2, line 22, with:

Also, in cases where a portable telephone capable of being connected with an internet system is used, a user can set the video-recording of a program outdoors. However, because the user is required to perform a pre-determined complicated operation, there is another problem that men and women of all ages have considerable difficulty in operating the portable telephone.

IN THE CLAIMS

Replace the existing claims with:

1. A portable apparatus comprising:
inputting means for inputting operation information;
transmitting means for transmitting the operation information input by the inputting means to a central processing unit;
receiving means for receiving a remote controller control instruction corresponding to the operation information in cases where the central processing unit refers to a data base in which a plurality of remote controller control instructions are stored, and sends back the remote controller control instruction corresponding to the operation information; and
control means for controlling an operated apparatus according to the remote controller control instruction received by the receiving means.
2. The portable apparatus according to claim 1, wherein a voice emitted from a user is input as the operation information to the inputting means.
3. The portable apparatus according to claim 1, wherein a moving picture indicating a gesture of a user is input as the operation information to the inputting means.
4. The portable apparatus according to claim 1, wherein one of a letter and a symbol written by a user is input as the operation information to the inputting means.

5. The portable apparatus according to claim 1, wherein code information indicating one of letters and symbols is input as the operation information to the inputting means.

6. The portable apparatus according to claim 1, wherein an external power measured by an acceleration sensor is input as the operation information to the inputting means.

7. The portable apparatus according to claim 1, wherein environment information measured by an environment sensor is input as the operation information to the inputting means.

9. The remote control system according to claim 8, wherein the central processing unit performs an ambiguous retrieval process, in cases where no remote controller control instruction corresponding to the operation information exists, and sends back a remote controller control instruction most suitable for the operation information.

10. The remote control system according to claim 9, wherein the central processing unit learns a correspondence relationship between the operation information and the remote controller control instruction most suitable for the operation information and sends back the remote controller control instruction without performing the ambiguous retrieval processing when the central processing unit receives identical operation information on a subsequent occasion.

11. The remote control system according to claim 8, wherein the central processing unit specifies a user of the portable apparatus in cases where the central processing unit has a data base of each of a plurality of users, the central processing unit refers to the data base of the user, and the central processing unit retrieves the remote controller control instruction corresponding to the operation information.

12. The remote control system according to claim 8, wherein the central processing unit charges a handling fee according to use of the remote controller control instruction used in the portable apparatus.

13. The remote control system according to claim 8, wherein the portable apparatus is a portable telephone.

14. The remote control system according to claim 8, wherein the portable apparatus is fixed to the operated apparatus.

IN THE ABSTRACT

Replace the abstract with:

Abstract of the Disclosure

Operation information is transmitted from a portable telephone, a central processing unit refers to a data base in which remote controller control instructions are stored, a remote controller control instruction corresponding to the operation information is sent back from the central processing unit, and an apparatus to be controlled is controlled by the portable telephone according to the remote controller control instruction. Therefore, several apparatuses to be operated can be easily operated in remote control without arranging a separate remote controller for each apparatus.

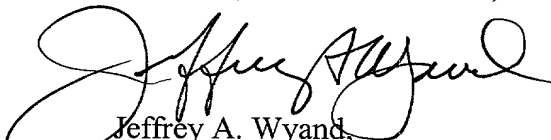
REMARKS

The foregoing amendments are made to improve the form of the patent application.
No new matter has been added and entry is respectfully requested.

A favorable Action on the merits is solicited.

Respectfully submitted,

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**SPECIFICATION, CLAIMS AND
ABSTRACT AS PRELIMINARILY AMENDED**

Amendments to the paragraph beginning at page 1, line 23:

However, management of the remote control unit is complicated by the ~~face~~ fact
that a separate remote control unit is ~~attached to~~ associated with each electronic
apparatus.

Amendments to the paragraph beginning at page 2, line 22:

Also, in cases where a portable telephone capable of being connected with an
internet system is used, a user can set the video-recording of a program ~~at the~~ outdoors.
However, because the user is required to perform a pre-determined complicated
operation, there is another problem that men and women of all ages have considerable
difficulty in operating the portable telephone.

Amendments to the existing claims:

1. (Amended) A portable apparatus, comprising:
inputting means for inputting operation information;
transmitting means for transmitting the operation information input by the
inputting means to a central processing unit;
receiving means for receiving a remote controller control instruction
corresponding to the operation information in cases where the central processing unit
refers to a data base, in which a plurality of remote controller control instructions are
stored, and sends back the remote controller control instruction corresponding to the
operation information; and
control means for controlling an operated apparatus according to the remote
controller control instruction received by the receiving means.
2. (Amended) ~~A~~The portable apparatus according to claim 1, wherein a voice
emitted from a user is input as the operation information to the inputting means.
3. (Amended) ~~A~~The portable apparatus according to claim 1, wherein a moving
picture indicating a gesture of a user is input as the operation information to the inputting
means.
4. (Amended) ~~A~~The portable apparatus according to claim 1, wherein one of a
letter ~~or~~ and a symbol written by a user is input as the operation information to the
inputting means.
5. (Amended) ~~A~~The portable apparatus according to claim 1, wherein code
information indicating one of letters ~~or~~ and symbols is input as the operation information
to the inputting means.

6. (Amended) ~~A~~The portable apparatus according to claim 1, wherein an external power measured by an acceleration sensor is input as the operation information to the inputting means.

7. (Amended) ~~A~~The portable apparatus according to claim 1, wherein environment information measured by an environment sensor is input as the operation information to the inputting means.

9. (Amended) ~~A~~The remote control system according to claim 8, wherein the central processing unit performs an ambiguous retrieval ~~processing process~~, in cases where no remote controller control instruction ~~coincident with~~ corresponding to the operation information exists, ~~to send~~ and sends back a remote controller control instruction most suitable for the operation information.

10. (Amended) ~~A~~The remote control system according to claim 9, wherein the central processing unit learns a correspondence relationship between the operation information and the remote controller control instruction most suitable for the operation information and sends back the remote controller control instruction without performing the ambiguous retrieval processing when the central processing unit receives ~~the same~~ identical operation information ~~as that of the correspondence relationship~~ on a subsequent occasion.

11. (Amended) ~~A~~The remote control system according to claim 8, wherein the central processing unit specifies a user of the portable apparatus in cases where the central processing unit has a data base of each of a plurality of users, the central processing unit refers to the data base of the user, and the central processing unit retrieves the remote controller control instruction corresponding to the operation information.

12. (Amended) ~~A~~The remote control system according to claim 8, wherein the central processing unit charges ~~for~~ a handling fee according to ~~a use form~~ of the remote controller control instruction used in the portable apparatus.

13. (Amended) ~~A~~The remote control system according to claim 8, wherein the portable apparatus ~~denotes~~ is a portable telephone.

14. (Amended) ~~A~~The remote control system according to claim 8, wherein the portable apparatus is fixed to the operated apparatus.

Amendments to the abstract:

Abstract of the Disclosure

Operation information is transmitted from a portable telephone~~1~~, a central processing unit~~5~~ refers to a data base~~6~~ in which ~~a plurality of~~ remote controller control instructions are stored, a remote controller control instruction corresponding to the operation information is sent back from the central processing unit~~5~~, and an apparatus to be controlled is controlled by the portable telephone~~1~~ according to the remote controller control instruction. Therefore, ~~a plurality of~~ several apparatuses to be operated can be easily operated in remote control without arranging a ~~private~~ separate remote controller for each apparatus.

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CLAIMS PENDING AFTER PRELIMINARY AMENDMENT

1. A portable apparatus comprising:
inputting means for inputting operation information;
transmitting means for transmitting the operation information input by the
inputting means to a central processing unit;
receiving means for receiving a remote controller control instruction
corresponding to the operation information in cases where the central processing unit
refers to a data base in which a plurality of remote controller control instructions are
stored, and sends back the remote controller control instruction corresponding to the
operation information; and
control means for controlling an operated apparatus according to the remote
controller control instruction received by the receiving means.
2. The portable apparatus according to claim 1, wherein a voice emitted from a
user is input as the operation information to the inputting means.
3. The portable apparatus according to claim 1, wherein a moving picture
indicating a gesture of a user is input as the operation information to the inputting means.

4. The portable apparatus according to claim 1, wherein one of a letter and a symbol written by a user is input as the operation information to the inputting means.

5. The portable apparatus according to claim 1, wherein code information indicating one of letters and symbols is input as the operation information to the inputting means.

6. The portable apparatus according to claim 1, wherein an external power measured by an acceleration sensor is input as the operation information to the inputting means.

7. The portable apparatus according to claim 1, wherein environment information measured by an environment sensor is input as the operation information to the inputting means.

8. A remote control system, comprising:

inputting means, arranged in a portable apparatus, for inputting operation information;

transmitting means, arranged in the portable apparatus, for transmitting the operation information input by the inputting means;

a central processing unit for receiving the operation information from the transmitting means, referring to a data base in which a plurality of remote controller control instructions are stored, retrieving a remote controller control instruction corresponding to the operation information and sending back the remote controller control instruction corresponding to the operation information;

receiving means, arranged in the portable apparatus, for receiving the remote controller control instruction from the central processing unit; and

control means, arranged in the portable apparatus, for controlling an operated apparatus according to the remote controller control instruction received by the receiving means.

9. The remote control system according to claim 8, wherein the central processing unit performs an ambiguous retrieval process, in cases where no remote controller control instruction corresponding to the operation information exists, and sends back a remote controller control instruction most suitable for the operation information.

10. The remote control system according to claim 9, wherein the central processing unit learns a correspondence relationship between the operation information and the remote controller control instruction most suitable for the operation information and sends back the remote controller control instruction without performing the ambiguous retrieval processing when the central processing unit receives identical operation information on a subsequent occasion.

11. The remote control system according to claim 8, wherein the central processing unit specifies a user of the portable apparatus in cases where the central processing unit has a data base of each of a plurality of users, the central processing unit refers to the data base of the user, and the central processing unit retrieves the remote controller control instruction corresponding to the operation information.

12. The remote control system according to claim 8, wherein the central processing unit charges a handling fee according to use of the remote controller control instruction used in the portable apparatus.

13. The remote control system according to claim 8, wherein the portable apparatus is a portable telephone.

14. The remote control system according to claim 8, wherein the portable apparatus is fixed to the operated apparatus.